

# UTILITY PATENT APPLICATION TRANSMITTAL

## (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
21463/1-4

Total Pages in this Submission  
117

### TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**A METHOD OF ANALYZING THE TIME-VARYING ELECTRICAL RESPONSE OF A STIMULATED TARGET SUBSTANCE**

and invented by:

**WILLIAM H. LALETIN AND KURT SALLOUX**

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No.: 10/443,230

Which is a:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No.: 09/122,181

Which claims priority to U.S. Provisional Application No. 60/054,466 and is a Continuation-in-part (CIP) of PCT/US97/05005, which claims priority to U.S. Provisional Application No. 60/014,159

### Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 49 pages and including the following:
  - a. ☒ Descriptive Title of the Invention
  - b. ☒ Cross References to Related Applications (if applicable)
  - c. ☐ Statement Regarding Federally-sponsored Research/Development (if applicable)
  - d. ☐ Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
  - e. ☒ Background of the Invention
  - f. ☒ Brief Summary of the Invention
  - g. ☒ Brief Description of the Drawings (if filed)
  - h. ☒ Detailed Description
  - i. ☒ Claim(s) as Classified Below
  - j. ☒ Abstract of the Disclosure

2289 U.S. PTO  
10/666567  
09/19/03

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Small Entity)**

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

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**Application Elements (Continued)**

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☒ Formal      Number of Sheets      59
- b. ☐ Informal      Number of Sheets      \_\_\_\_\_
4. ☒ Oath or Declaration
- a. ☐ Newly executed *(original or copy)*      ☒ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☒ With Power of Attorney      ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)
7. ☐ Application Data Sheet (See 37 CFR 1.76)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Computer Readable Form (CFR)
- b. ☐ Specification Sequence Listing on:
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ Paper
- c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

**Accompanying Application Parts**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement/PTO-1449      ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☒ Certificate of Mailing
- ☐ First Class      ☒ Express Mail *(Specify Label No.):* EV 303532134 US

*(Only for new nonprovisional applications under 37 CFR 1.53(b))*

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17. ☒ Applicant claims small entity status. See 37 CFR 1.27.

☒ (Optional) Small Entity Statement(s) - Specify Number of Statements Submitted: 1

18. ☐ Additional Enclosures (please identify below):

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19. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

***An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.***

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**(Small Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

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**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	25	- 20 =	5	x \$9.00	\$45.00
Indep. Claims	2	- 3 =	0	x \$42.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$375.00
OTHER FEE (specify purpose) _____					\$0.00
TOTAL FILING FEE					\$420.00

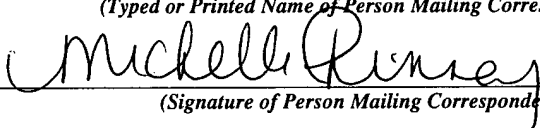
- ☐ A check in the amount of \_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **50-0369** as described below.
- ☒ Charge the amount of **\$420.00** as filing fee.
- ☒ Credit any overpayment.
- ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
- ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: **September 19, 2003**

*Signature*

**Mark S. Leonardo, Esq. (Reg. No. 41,433)**  
**Attorney for Applicant(s)**  
**Brown Rudnick Berlack Israels LLP**  
**One Financial Center**  
**18th Floor, Box IP**  
**Boston, MA 02111**  
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**Customer No.: 21710**

cc:

<b>CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)</b> Applicant(s): Laletin et al.			Docket No. 21463/1-4
Serial No. <b>TO BE ASSIGNED</b>	Filing Date <b>HEREWITH</b>	Examiner <b>TO BE ASSIGNED</b>	Group Art Unit <b>TO BE ASSIGNED</b>
Invention: <b>A METHOD OF ANALYZING THE TIME-VARYING ELECTRICAL RESPONSE OF A STIMULATED TARGET SUBSTANCE</b>			
<p>I hereby certify that the following correspondence:</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <b>Utility Patent Appl. Transmittal (4 pgs); Patent Application (49 pgs); Formal Drawings (59 sheets, FIGS. 1A-29B); copy of unexecuted Decl./POA (4 pgs); Small Entity Statement (1 pg); Acknowledgement Postcard; Charge Deposit Acct. 50-0369 in the amount of \$420.00</b> </div> <p style="text-align: center;"><i>(Identify type of correspondence)</i></p> <p>is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on</p> <div style="margin-left: 100px; margin-top: 20px;"> <u>September 19, 2003</u>  <i>(Date)</i> </div> <div style="margin-left: 400px; margin-top: 40px;"> <u>Michelle Phinney</u>  <i>(Typed or Printed Name of Person Mailing Correspondence)</i>    <i>(Signature of Person Mailing Correspondence)</i>  <u>EV 303532134 US</u>  <i>("Express Mail" Mailing Label Number)</i> </div>			
<b>Note: Each paper must have its own certificate of mailing.</b>			

**APPLICATION FOR PATENT (Small Entity Assertion)**

Docket No. 21463/1-4

INVENTOR(S): William H. Laletin and Kurt Salloux

TITLE OF THE INVENTION: A METHOD OF ANALYZING THE TIME-VARYING  
ELECTRICAL RESPONSE OF A STIMULATED TARGET SUBSTANCE

FILING DATE: HERewith

Serial Number (if known): UNKNOWN

MAIL STOP PATENT APPLICATION  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SMALL ENTITY ASSERTION**

Sir:

Applicant(s) claim small entity status under 37 CFR 1.27 for the above-identified patent application.

Respectfully Submitted,

Date: 9-19-2003



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